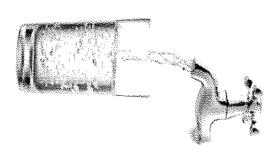
Estill County Water District #I Water Quality Report 2012



Water System ID: KY0330123 Manager: Dwight Richardson 606-723-3795 CCR Contact: Audrea Miller 606-723-3795

Mailing address: 76 Cedar Grove Road Irvine, KY 40336

Meeting location and time:
Water District Office on the last
Thursday of the month at 3:00 pm

This report is designed to inform the public about the quality of water and survices provided on a daily basis. Our commitment is to provide a safe, clean, and reliable supply of drinking water. We want to assure that we will continue to monitor, improve, and protect the water system and deliver a high quality product.

reviewed at the Estill County Water District office. assessment and wellhead protection plans of treating your water. because they potentially affect your health and the cost conducted, are of interest to the entire community drinking water. activities within assessment can be obtained or reviewed at the Estill generators or transporters, underground storage tanks discharges, Tier II hazardous chemical bridges and a railroad located within the watersheds are a few areas of concern. to contamination is generally moderate; however, there contaminants and thereby pose potential risks to your County Water District. and injection control wells. A complete source water Beulah. The overall susceptibility of our water sources from the KY River and Jackson County from Lake Association. irvine Municipal Utilities and Jackson County Estill County Water District # 1 purchases water from activities of concern Both suppliers treat surface water, frvine These activities, and how they the Under certain circumstances The complete source water watershed could There are eleven roadway include users, waste wastewater may reiease Water are

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater

regulations establish limits for contaminants in bottled in water provided by public water systems. FDA oil and gas production or mining activities). In order to ensure that tap water is safe to drink, EPA prescribes Organic chemical contaminants, including synthetic and water to provide the same protection for public health. regulations that limit the amount of certain contaminants Radioactive contaminants, (naturally occurring or from processes and petroleum production, or from gas volatile organic chemicals, (by-products of industrial (stonnwater runoff, agriculture or residential uses) mining, or farming). runoff, wastewater discharges, oil and gas production stormwater runoff, or Pesticides and herbicides septic systems)

Some people may be more vulnerable to contaminants in dirikking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Holline (800-426-4791).

Some or all of these definitions may be found in this report:

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in trinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goa! (MRDLG) - the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Part's per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - a measure of the radioactivity in

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health affects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Information About Lead:

Water Hotline or at http://www.epa.gov/safewater/fcad. to minimize exposure is available from the Safe Drinking drinking water, testing methods, and steps you can take wish to have your water tested. Information on lead you are concerned about lead in your water, you may minutes before using water for drinking or cooking. exposure by flushing your tap for 30 seconds to and home plumbing. Your local public water system materials and components associated with service lines young children. Lead in drinking water is primarily from health problems, especially for pregnant women and plumbing components. When your water has been sitting but cannot control the variety of materials used in responsible for providing high quality drinking water for several hours, you can minimize the potential for lead present, elevated levels of lead can cause serious



Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

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Violations

Consumer Confidence Rule:

confidence report was missing some of the EPA We were found in violation of the Consumer Confidence Rule on 7/24/12. The 2011 consumer corrections on this year's report. required language. We have made those

Lead & Copper Rule:

We were found in violation of the Lead & Copper Rule on 1/24/2012. We failed to submit the required number of Lead & Copper analytical results during the 1/1/209 - 12/31/2011 compliance period. The requirement was to submit 30 sample results; however we submitted 28. All 30 samples were taken 8/3/2012 and submitted to the Division of Water.

Health Effects:

There are no health effects associated with these